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(When Filled In)

## MONTHLY PROJECT REPORT

ORIGINATOR(S)	BUDGET EST.		REPORTING PERIOD
	FY	AMOUNT	
OC-E			1 - 31 July 1962

ACTION				
FUTURE	<input checked="" type="checkbox"/> ACTIVE	COMPLETED	CANCELLED	SUSPENDED
PROJECT NUMBER	PRIORITY CLASS	PRIM. RESPONSIBILITY		PROJECT ENGINEER
E-5020	I	FES		[REDACTED]

PROJECT TITLE	25X1A9a
Modification Work Orders	

PROJECT REQUIREMENT
To notify all field stations of standard modifications to equipment

PROJECT DESCRIPTION
Reproduce necessary copies, assemble and prepare cover letters for all Modification Work Orders. Obtain approval and coordination. Determine category of distribution and forward to appropriate areas.

APPROVAL DATE	APPROVED BY	STARTING DATE	COMPLETION DATE
	/HWK/ /FGI/[REDACTED]	8 February '55	

REMARKS

1. Modification Work Order 44, modification of the AT-3 (for information only) was received from the Printing Services Division for distribution in August.
2. For the record, MWO's on GPT-750 warning light installation and on hand generator GN43 collapsible leg modification are now in process of preparation.

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## MONTHLY PROJECT REPORT

ORIGINATOR(S)	BUDGET EST.		REPORTING PERIOD
OC-E	FY	AMOUNT	1 - 31 July 1962
PROJECT NUMBER	ACTION		
E-5037	ACTIVE	COMPLETED	CANCELLED
PROJECT TITLE	PRIORITY CLASS	PRIM. RESPONSIBILITY	PROJECT ENGINEER
II		FES	[REDACTED]

Technical Bulletins

25X1A9a

## PROJECT REQUIREMENT

To keep the field supplied with current technical information pertinent to general operation.

## PROJECT DESCRIPTION

Scan technical literature to determine and select items for field distribution, determine distribution category, reproduce required number of copies, prepare cover letter, arrange approval and coordination, and forward to appropriate areas.

APPROVAL DATE	APPROVED BY	STARTING DATE	COMPLETION DATE
	/HWK/ /FCI/ [REDACTED]	2 February '56	

## REMARKS

1. Technical Bulletin No. 41, Handbook of Surveillance Equipment, was expected to be delivered from the printers for distribution in August.
2. For the record, TB's on selection of sites for HF communications stations and on the dwindling HF spectrum are being considered for preparation.
3. All holders of Technical Bulletin No. 39, Crystal Data Handbook, were supplied with corrected pages related to Motorola handle talkies. Further discrepancies with this same series of equipment, as unearthed by Chief, [REDACTED] will be rectified and all interested parties informed in August.

25X1A

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## MONTHLY PROJECT REPORT

ORIGINATOR(S) <b>OC-E</b>	BUDGET EST.		REPORTING PERIOD <b>1-31 July 1962</b>
	FY	AMOUNT	
ACTION			
<input checked="" type="checkbox"/> FUTURE	<input checked="" type="checkbox"/> ACTIVE	<input type="checkbox"/> COMPLETED	<input type="checkbox"/> CANCELLED
PROJECT NUMBER <b>E-5085</b>	PRIORITY CLASS <b>I</b>	PRIM. RESPONSIBILITY <b>MES</b>	PROJECT ENGINEER [REDACTED]
PROJECT TITLE <b>Communications Systems Planning for New Headquarters Building</b>	<b>25X1A9a</b>		
PROJECT REQUIREMENT <b>To determine the types of Communications systems, and the quantities of equipment that will be required for installation in the new Headquarters Building to meet Agency communications requirements.</b>			
PROJECT DESCRIPTION <b>To investigate and compile information on new communications systems and equipment. To meet regularly with representatives of the Message Center Staff, Operations, Engineering, and Security Division, and the OC member of the New Building Planning Staff to discuss communications requirements for the new building. To prepare a list of the equipment that will be required and suggested floor plans and equipment layouts defining spare requirements.</b>			
APPROVAL DATE <b>January 1957</b>	APPROVED BY <b>WAB</b> <u>s/</u> <b>JJK</b> <u>s/</u>	STARTING DATE <b>January 1957</b>	COMPLETION DATE
REMARKS  <b>25X1A6d</b> <b>A contract was signed for the relay station to be located in [REDACTED]. A preliminary survey was completed for a 50 Kcs transmission line between the Lab (SP area) and [REDACTED]</b> <b>25X1A</b> <b>[REDACTED]</b>			

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## MONTHLY PROJECT REPORT

INITIATOR(S)	OC-E	BUDGET EST.	REPORTING PERIOD
PROJECT NUMBER	E-5132	FY	AMOUNT
PROJECT TITLE	AS-3 Automatic Receiving Position	ACTION	
PROJECT REQUIREMENT	Incorporate major available components into a base station system.	COMPLETED	CANCELLED
PROJECT DESCRIPTION	Design and install an Automatic Receiving Position at the U.S. Base Station consisting of five 61W-4 receivers, CU-10 Agency 150 cps IDY signal unit, CV-13B converter, relay control panel and a BT-7 variable speed tape recorder. The system must be capable of automatically activating an alert alarm, starting the BT-7 recorder and keying a answer back transmitter upon receiving the 150 cps IDY signal from the Agent's AT-3 transmitter.	SDS	SUSPENDED
APPROVAL DATE	APPROVED BY	STARTING DATE	COMPLETION DATE
FEB 1959	EWK	EGI	APRIL 7, 1961 JUNE 1961
PROJECT COMPLETED JULY 1962.			

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## MONTHLY PROJECT REPORT.

ORIGINATOR(S)	BUDGET EST.		REPORTING PERIOD
	FFY	AMOUNT	1-31 July 1962
ACTION			
<input type="checkbox"/> FUTURE	<input checked="" type="checkbox"/> ACTIVE	COMPLETED	CANCELLED
PROJECT NUMBER	PRIORITY CLASS	PRIM. RESPONSIBILITY	PROJECT ENGINEER
E-5151			[REDACTED]
PROJECT TITLE	25X1A9a		
Review of Transmitter Field			
PROJECT REQUIREMENT			
Investigate specifications, cost and availability of transmitters and RF linear amplifiers in the 100 watt, 5000 watt and 20000 watt range having definite suitability for OC uses.			
PROJECT DESCRIPTION			
<p>Investigate commercial and military equipment resources with a view toward selection of transmitters and/or linear amplifiers which will meet OC requirements at a reasonable cost. Prepare a report listing the relative merits and shortcomings of each as found by a comparison of manufacturers specifications and/or Agency tests.</p>			
APPROVAL DATE	APPROVED BY	STARTING DATE	COMPLETION DATE
July 1959	/s/ GSG /s/ JFS	[REDACTED]	[REDACTED]
REMARKS			
25X1A	<p>1. A procurement memo for a Gates NFL-1000 was drafted and forwarded. An analysis and appraisal request on the same amplifier was forwarded to R+D. [REDACTED] was questioned on replacing a requisitioned PAL-1KA with the NFL-1000 with the purpose in mind of having [REDACTED] perform a field evaluation. No answer has been received as yet.</p>		
25X1A	<p>2. [REDACTED] reported a few more troubles with burned-out parts in the Westrex 12-B amplifier. Westrex was contacted, sent the parts and we shipped them to [REDACTED]</p>		
25X1A	<p>3. A request for a partial A+A on the RCA SSB-5 was drafted and the single sideband transceiver was sent to the lab. This is the transceiver which, if the lab report is favorable, should be considered as a replacement for the SSB-1 Mark IV.</p>		
	<p>4. The target date for delivery of the first two sample transit cases, 20 July, was missed. We are now hoping to see them sometime during the next reporting period.</p>		

SERIAL  
NUMBER  
WHEN FILLED

MONTHLY PROJECT REPORT				
DEPARTMENT(S)	BUDGET (EST.)	REPORTING PERIOD		
	FY	AMOUNT	1-31 July 1962	
PROJECT NUMBER	<input checked="" type="checkbox"/> ACTIVE	<input checked="" type="checkbox"/> COMPLETED	CANCELLED	SUSPENDED
E-5181	I	SEB		
PROJECT TITLE <b>MIXMASTER (All Mechanical Combiner/Printer)</b>				
PROJECT REQUIREMENT Development of a 100 wpm all mechanical combiner/printer for evaluation and possible adoption as a replacement for existing CTT equipment.				
PROJECT DESCRIPTION The all mechanical combiner (EW-20) and the all mechanical printer which were developed by Teletype Corporation do not meet Agency requirements. A contract will be established [REDACTED] for the development of a single device which incorporates all of the features of these two units plus various other features as specified by the DC operating and security components.				
INITIAL DATE	APPROVED BY	STARTING DATE	COMPLETION DATE	
5 Feb '60	EE	July	July 1962	
PROJECT COMPLETED JUNE 1962.				

## MONTHLY PROJECT REPORT

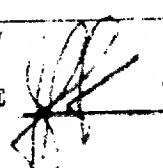
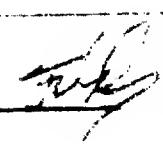
ORIGINATOR(S)	OC-MED MD-M-60-022	BUDGET EST.	REPORTING PERIOD
	FY	AMOUNT	1-31 July 1962

FEATURE	XX ACTIVE	ACTION	SUSPENSE
PROJECT NUMBER	PRIM. CLASS	COMPLETED	CANCELLED
E-5184	I	PRIM. RESPONSIBILITY	PROJECT ENGINEER
PROJECT TITLE	African Communications Net		
PROJECT REQUIREMENT	25X1A9a		

Plan equipment and layout for net.

## PROJECT DESCRIPTION

Design 2-position CW base station and three 1-position CW out-stations.

APPROVAL DATE	APPROVED BY	APPROVAL DATE	COMPLETION DATE
March 1960	OC-E 	SEB 	March 1960
July 1962			

PROJECT COMPLETED JULY 1962.

1542  
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(When Filled In)

## MONTHLY PROJECT REPORT

ORIGINATOR(S) OC Order 7-58	BUDGET EST.		REPORTING PERIOD 1 - 31 July 1962
	FY 60	AMOUNT	
PROJECT NUMBER E-5188	ACTION		
	ACTIVE <input checked="" type="checkbox"/>	COMPLETED <input type="checkbox"/>	CANCELLED <input type="checkbox"/>
PROJECT TITLE Semi-annual Engineering Base and Field Reports	PRIORITY CLASS II	PRIM. RESPONSIBILITY PES	PROJECT ENGINEER [REDACTED]

PROJECT REQUIREMENT  
Collect Engineering information describing current Agency communications facilities.

PROJECT DESCRIPTION  
Provide and distribute forms, regulate reporting dates and compile engineering information obtained from completed forms relative to current locations and equipment details for all Agency Base and Field Communications stations. Prepare drawings from received sketches, maintain reference files and forward duplicates to the field.

APPROVAL DATE	APPROVED BY /HWK/ /FGI/	STARTING DATE 1 June 1960	COMPLETION DATE
---------------	-------------------------------	------------------------------	-----------------

## REMARKS

1. [REDACTED] reports and associated drawings have been received from the following installations:

25X1A

2. New and/or corrected drawings have been prepared from sketches and listed changes submitted from the field. These have been forwarded to the stations listed.

25X1A

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## MONTHLY PROJECT REPORT

ORIGINATOR(S)	BUDGET EST.		REPORTING PERIOD		
	FY	AMOUNT	1-31 July 1962		
ACTION					
<input checked="" type="checkbox"/> FUTURE	<input checked="" type="checkbox"/> ACTIVE	<input type="checkbox"/> COMPLETED	<input checked="" type="checkbox"/> CANCELLED	<input type="checkbox"/> SUSPENDED	
PROJECT NUMBER	PRIORITY CLASS	PRIM. RESPONSIBILITY		PROJECT ENGINEER	
E-5192	I	ERS			
PROJECT TITLE					
Project [REDACTED]					
PROJECT REQUIREMENT					
To provide equipment lists for a complete 5 kilowatt shortwave broadcast station to be installed in the [REDACTED] 25X1A6a					
PROJECT DESCRIPTION					
The Office of Communications has been directed to procure, for stock, all necessary equipment for a 5 kilowatt shortwave broadcast station to be held in stock should it be required in the [REDACTED]. Equipment will include facilities for making tapes, emergency generator, antennas, and tools for making the installation. 25X1A6a					
APPROVAL DATE	APPROVED BY	M/F		STARTING DATE	COMPLETION DATE
	PGI/ HWK/			October 1960	
REMARKS					
PROJECT CANCELLED JULY 1962.					

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(When Filled In)

## MONTHLY PROJECT REPORT

ORIGINATOR(S)

DPD/AD

BUDGET EST.

REPORTING PERIOD

FY

AMOUNT

1-31 July 1962

FUTURE	ACTIVE	COMPLETED	ACTION		SUSPENDED
			X	CANCELLED	
PROJECT NUMBER	PRIORITY CLASS		PRIM. RESPONSIBILITY	SDS	PROJECT ENGINEER
E-5195	I				

PROJECT TITLE

25X1A6b

PROJECT REQUIREMENT

Plan equipment and layout for station.

PROJECT DESCRIPTION

Design field radio station, based on a modified and augmented 2 ST, for 3 CW and 1 duplex RATT positions and plan antenna systems for net stations and areas to be served.

APPROVAL DATE	APPROVED BY	STARTING DATE	COMPLETION DATE
	HWK <i>ff</i> FOI <i>ff</i>		

REMARKS

PROJECT CANCELLED JULY 1962.

FORM 10-56 1543

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(20-42)

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(When Filled In)

## MONTHLY PROJECT REPORT

OC 8095

REPORTING PERIOD  
1-31 July 1962

E-5197

I

SDS

25X1A9a

## Portable Emergency Broadcast Station

To provide packages medium and shortwave 1 kilowatt broadcast stations for field use.

1. Find a suitable 1 KW broadcast transmitter for the 535/1605 KC band.
2. Find a suitable 1 KW broadcast transmitter for the 2-26.1 MC band.
3. Find antennas useable in the 550/1600 KC band and supporting towers for dipoles in the 2-30 MC band.
4. Determine materials and accessories necessary for installation and operation of a complete broadcast station and requisition these items.
5. Install and field test the stations near Washington, D. C.

January 1959

January 1959 July 1962

25X1A9a

PROJECT COMPLETED JULY 1962.

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(When Filled In)

## MONTHLY PROJECT REPORT

BUDGET EST.

REPORTING PERIOD

TTT-M-61-140

61

AMOUNT

\$50,000.00

1-31 July 1962

PROJECT NUMBER

E-5199

 ACTIVE COMPLETED CANCELLED SUSPENDED

PRIORITY CLASS

I

PRINC. RESPONSIBILITY

SDS

PROJECT ENGINEER

INSTANT DATE

SELCAL

25X1A9a

PROJECT REQUIREMENT

World-wide selective calling system.

PROJECT DESCRIPTION

Compute and order quantities of SELCAL Base Station Units, Decoder chassis, and Vibrasponder units for world-wide non-repetitive selective calling system. Design and order visual-audible alarm units and semi-automatic transmitter keying devices to acknowledge receipt of selective call.

25X1A9a

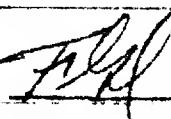
APPROVING DATE

APPROVED BY

REMARKS

HWK

PGI



STARTING DATE

COMPLETION DATE

July 1962

PROJECT COMPLETED JULY 1962.

## MONTHLY PROJECT REPORT

$$1 - \frac{1}{2} \left( \frac{1}{2} + \sqrt{\frac{1}{4} + 1} \right) = 1 - \frac{1}{2} \left( \frac{1}{2} + \sqrt{\frac{5}{4}} \right) =$$

1-31 July 1962

**X** **RECEIVED** **7-14-74** **X** **RECEIVED** **7-14-74** **X** **RECEIVED** **7-14-74**  
**RESONER CLASS** **FROM** **RESPONSIBILITY** **RECORDED** **ENGINEER**  
**I** **SDS**

1023

1

5 DC

2000 7-8077-RAD

Package radio stations with pouchable, lightweight, easily assembled components readily transportable by one operator for phased transition from CW to Duplex RATT.

Transmitters (approx. 100-watt), receivers, RPTT equipment and AC generators are to be selected for minimum practical size and weight for rapid, easy transport, if necessary by pouch, and relatively rapid and simple assembly in the field. Transmit/operating cases, prewired harnesses, compact assembly and operation, and complete operating facilities are among requirements and techniques to be used. CW, RPTT receive, and RPTT send will be the stages or units to be packaged and phased in as operational requirements dictate.

258

10

PROJECT CANCELLED JULY 1962.

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(When Filled)

## MONTHLY PROJECT REPORT

ORIGINATOR(S)	BUDGET EST.		REPORTING PERIOD
	FY	AMOUNT	
1-31 July 1962			
ACTION			
<input checked="" type="checkbox"/> FUTURE	<input checked="" type="checkbox"/> ACTIVE	<input type="checkbox"/> COMPLETED	<input type="checkbox"/> CANCELLED
PROJECT NUMBER	PRIORITY CLASS	PRIM. RESPONSIBILITY	PROJECT ENGINEER
E-5215		EES	[REDACTED]

PROJECT TITLE

25X1A9a

## REVIEW OF MOBILE AND BASE SURVEILLANCE EQUIPMENT

PROJECT REQUIREMENT Present standard mobile and base equipment as related to two-way surveillance use required review as it is purchased and stocked in a different configuration than what the manufacturer offers. Also, transistorized and recent equipment should enter this review and a stock level should be set.

## PROJECT DESCRIPTION

Investigate available commercial mobile and base station equipment with the object of selecting the best to meet OC two-way surveillance requirements at a reasonable cost. Prepare a comparison chart listing the merits and shortcomings of each based on the manufacturers specifications or evaluations, if required. Submit results to OC-T for review and coordination.

APPROVAL DATE	APPROVED BY	STARTING DATE	COMPLETION DATE
	/FGI/ /HMK/ 	January 1962	

## REMARKS

25X1A5a

1. The Office of Logistics reports "negotiations" in progress with [REDACTED] on the quick reaction facility for the pocket surveillance equipment. Setting up such a facility appears to be more distant in the future than originally expected.
2. No work was accomplished on the low-cost pocket sets due to vacations.

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(When Filled In)

## MONTHLY PROJECT REPORT

ORIGINATOR(S)	BUDGET EST.	REPORTING PERIOD
	FY AMOUNT	1-31 July 1962
PROJECT NUMBER	ACTION	
E-5216	ACTIVE	COMPLETED
PROJECT TITLE	PRIORITY CLASS	PRIM. RESPONSIBILITY
		EES

25X1A9a

## Antennas and Associated Equipment

## PROJECT REQUIREMENT

For a better coordinated technical approach to the fulfillment of antennas and related equipment requirements, all previous and future antenna planning will be assigned this project number.

## PROJECT DESCRIPTION

To assist the base and field stations in the design of new and renovation of present antenna systems.

To advise the base and field station on the latest developments in antennas, and transmitter to antenna matching devices.

To establish the antennas, associated equipment and related hardware that will be standard stock items.

APPROVAL DATE	APPROVED BY	STARTING DATE	COMPLETION DATE
	/FGI/ <i>[Signature]</i>		
	/HWK/ <i>[Signature]</i>	March 1962	

## REMARKS

1. The redesign of the [REDACTED] antenna system is continuing. One of the problems that we have encountered is the broad band antenna coverage for the low frequency range. With the minimum sun spot cycle, the size of low frequency rhombics, 4 to 10 mcs, to provide adequate gain and coverage are not proportioned to the space available at [REDACTED]. A compromise design, the use of different types of antennas are being studied.

2. The analysis and redesign of the antenna system at [REDACTED] is underway. As it stands now, terminated folded dipoles will be designed for the required operational coverage. A complete scaled model analysis of these antennas will be conducted at the R+D antenna range.

3. A proposal was received from [REDACTED] for the design of an enclosed transmitting conical monopole antenna. The idea of concealing a broad band antenna was discussed with [REDACTED] a number of months ago. The general use of this type of antenna will be for installa-

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## MONTHLY PROJECT REPORT

PROJECT NUMBER	PRIM. RESPN.	REPORTING PERIOD
E-5216	EES	1-31 July 1962

25X1A6a tion on roofs [REDACTED]. Basically, the antenna is a conical monopole, frequency range or 12 to 32 mcs, with a rotatable reflector. The antenna and the reflector are housed in a [REDACTED]. The 25X1A

25X1A [REDACTED] from 10.7 to 16 db. The elevation beamwidth at the upper half-power points varying from a minimum of 17° to a maximum of 33°. Since the conical monopole is a vertical antenna, the take-off angle will be low, and will be best suited for long haul circuits. The power handling capability is 10 KW average, 20 KW PEP. The utilization of this antenna is being studied.

25X1A5a1 4. Difficulties were experienced with the transformers of the vertical LP antennas recently erected in [REDACTED]. Arrangements have been made with [REDACTED] for the loan of another transformer which will be used in an attempt to localize the troubles. 25X1A

25X1A5a1 5. We have been informed by the [REDACTED] representative that [REDACTED] is now willing to look into difficulties that we have been having with the TAC-1 units. It has been requested that the field provide us with a summary of technical failures that they have encountered with the TAC-1. 25X1A5a1

25X1A5a1 6. Recently there have been a number of failures in the directional coupler unit of the ATS-50. It was determined from the schematic of the directional coupler that one of the bridge capacitors was rated at 500 V. The rating of the capacitor should be 2500 V. At this time, it hasn't been determined whether there is an error in the manual or the coupler unit. If the capacitor in the coupler unit is only 500 volts, [REDACTED] has agreed to replace it with the rated voltage capacitor. 25X1A6b

25X1A6b 7. The proposal for the redesign of [REDACTED] antenna field was discussed with the Chief of Station and the Station Engineer [REDACTED]. The use of the azimuthal charts and the antenna pattern overlays depicting the theoretical coverage of the present antennas was explained. The Chief of Station agreed to use the charts and observe the circuit operational analysis versus the theoretical presentation. The two 747V, vertically polarized transposed dipole log-periodic antennas for [REDACTED] will be received in October. 25X1A6b

25X1A5a1 8. A proposal was received from [REDACTED] for an analysis of the Trylon-Laport rhombic antenna. The Trylon-Laport antenna is a high gain, 30 above existing rhombics, low side lobe reduction, 16 db down, and low vertical take-off angle, 5 to 10 degrees.

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## MONTHLY PROJECT REPORT

PROJECT NUMBER	PRIM. RESPN.	REPORTING PERIOD
E-5216	EES	1-31 July 1962

25X1A5a1 9. Deliverable items under Contract 686, Task 2 with [REDACTED] 25X1A5a1

were obtained by OC-E/SEB/EES. These items included an antenna tuner, remote tuning unit, 2 pre-fabricated dipole antennas, 2 instruction manuals, development reports, and specification books. This antenna with coupling system has a radiation pattern perpendicular to the antenna axis over a  $7\frac{1}{2}$  to 1 frequency range which will match a 50 ohm coaxial cable with good efficiency, and is capable of handling one kilowatt of RF power.

10. Tests were conducted at [REDACTED] on the above antenna system using a 48 ft. dipole antenna 15 to 20 feet above ground level. The results of these tests were very encouraging. The maximum VSWR measured was 1.2 to 1 between 4 to 30 mcs. Out of 27 frequencies (every megacycle) there existed 2.2 frequencies which were matched perfectly at 1 to 1. The VSWR meter circuit accuracy was verified by reversing input and output coaxial connections. 25X1A6a

11. At .4 mc, the length of the 48 ft. dipole is 0.205 wavelength (.1025 half-length). Experimentation at [REDACTED] indicates that the minimum overall dipole length for a frequency range of 7 to 30 mc, as required by [REDACTED] South American net should be no less than 35 feet for optimum results. 25X1A  
25X1A

12. Preliminary CW contacts on 1 August 1962 to both [REDACTED] 25X1A6a and [REDACTED] established QSA-3 reports with QRN at 18,972 mc. At this time the GPT-750 test transmitter was loaded to produce about 450 watts output into the above antenna system (w/200 ft. of RG-8/U coax cable). Another point was that these field stations had been listening to signals originating from an AN/FRT transmitter with "V" beam antenna. WWV propagation predictions were "U-4" at this time (unsettled - poor to fair). 25X1A6a

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## MONTHLY PROJECT REPORT

ORIGINATOR(S)	BUDGET EST.		REPORTING PERIOD
	FY	AMOUNT	
OC-AFD			1 - 31 July 1962
PROJECT NUMBER	ACTIVE	ACTION	
		COMPLETED	CANCELLED
E-5217	PRIORITY CLASS I	PRIM. RESPONSIBILITY FES	
PROJECT TITLE	25X9A2		

25X1A9a

## PROJECT REQUIREMENT

Design new receiver site buildings, [REDACTED] 25X1A6b

## PROJECT DESCRIPTION

Design and layout of a new "interim" receiver building should accomodate: 1) A tape relay room for 18 circuits (including eight on-line), 2) Signal center area for 10 KW-26's, 3 Tot's, 2 HW-19A's, 3) Five CW positions, 4) On site maintenance, and 5) Office space for a chief, OPS officer, engineer, security and secretarial force. A second building will be required for adequate "area" warehousing, plus emergency power facilities. Note that maximum single-site purchase is legally limited to 5 acres, which effects antenna planning. Full details are carried in AFD M-62-055, dated 25 June 1962.

APPROVAL DATE	APPROVED BY		STARTING DATE	COMPLETION DATE
July 1962	/HWK/ /PGI/ [REDACTED]		July 1962	

## REMARKS

25X1A9a

25X1A6a  
25X1C

1. Re-determination of projected equipment requirements, an analysis of present Langley Signal Center practices and equipment utilization, a survey of expected [REDACTED] construction costs figured against the programmed budget for this project, and extended use of equipment cutouts and transparencies enabled us to move through several equipment configurations and floor/room layouts to a preliminary plan for the operations and warehouse buildings expected to be discussed further with, and approved by, the areas desk in early August.

[REDACTED]

2. The five-acre purchase limitation is expected to be bypassed by leasing on a long-term basis of a larger site, possibly twenty acres or more which will facilitate a better antenna plan.

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25X1A

## MONTHLY PROJECT REPORT

OC O+T

PROJECT ECT

REPORTING PERIOD

1-31 July 1962

E-5386

25X1A6b

Expansion

25X1A9a

Expand present facility to permit 24 on-line/12 off-line tape relay operation.

25X1C

Planning calls for design of expansion

25X1A6a

September 1956

WAB  
JJK/S/  
/S/

September 1956

A study was made of methods to expand the capability of  
 25X1A6b [REDACTED] transmitting facility. This report will be withheld  
 pending review of Chief, [REDACTED] during his home leave in early 25X1A6b  
 August.

25X1A6b The study of [REDACTED] antenna farms is continuing. This  
 study should be completed during the next reporting period.

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